

## INTEGRATING SENDGRID SERVICE

# SENDGRID INTEGRATION WITH PYTHON CODE

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Project Name	Containment Zone Alerting Application
Team ID	PNT2022TMID38856

Sendgrid is a cloud-based SMTP provider that allows you to send email without having to maintain email servers.

```
Example: import sendgrid SENDGRID_API_KEY =
'SG.xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxx' sg = sendgrid.SendGridAPIClient(apikey=SENDGRID_API_KEY)
from_email = 'test@example.com' to_email = 'test@example.com'
subject = 'Sending with SendGrid is Fun' content = 'and easy to do
anywhere, even with Python' mail = Mail(from_email, subject,
to_email, content) response =
sg.client.mail.send.post(request_body=mail.get())
print(response.status_code) print(response.body)
print(response.headers)
```

```
1 # using SendGrid's Python Library
2 # https://github.com/sendgrid/sendgrid-python
3 import os
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 message = Mail(
8     from_email='from_email@example.com',
9     to_emails='to@example.com',
10    subject='Sending with Twilio SendGrid is
11    html_content='<strong>and easy to do
12    try:
13        sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
14        response = sg.send(message)
15        print(response.status_code)
16        print(response.body)
17        print(response.headers)
18    except Exception as e:
19        print(e.message)
```